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(11) **EP 0 981 045 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
08.10.2003 Bulletin 2003/41

(51) Int Cl.7: **G01N 27/407**

(43) Date of publication A2:
23.02.2000 Bulletin 2000/08

(21) Application number: **99306520.0**

(22) Date of filing: **18.08.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **19.08.1998 JP 23270198**

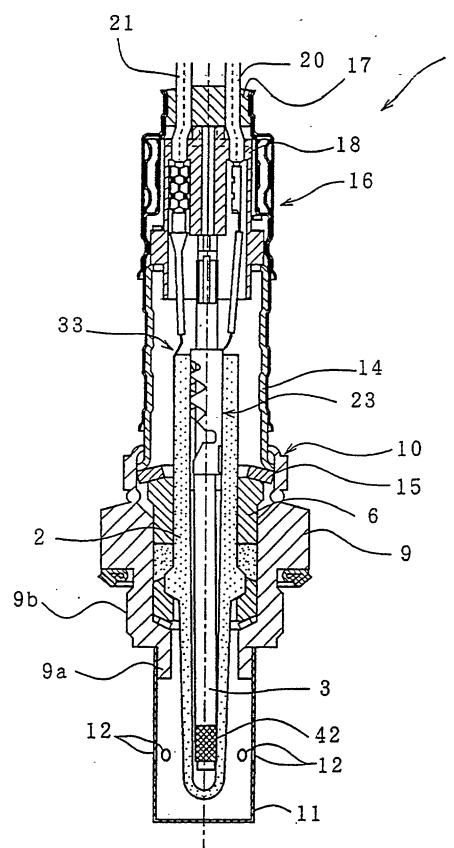
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(54) **Gas sensor**

(57) A gas sensor is provided which can efficiently flow air into a casing while having a sufficient on-axis sectional area in a ceramic separator for allowing lead wires to pass therethrough. The oxygen sensor has a ceramic separator main body portion 75 axially formed with a plurality of separator-side lead wire insertion holes 72 penetrating therethrough, a first part 18a thereof is arranged to extend to an inner side of a filter support portion 51. The first part 18a has an on-axis sectional outer shape formed in an other shape than a circle, e. g. polygonal shape such as a square shape. By making the on-axis sectional outer shape of the ceramic separator 18 main body part 75 departing from a circle as above, it is possible to locally expand a gap 92 defined between an outer peripheral surface of the ceramic separator 18 and an inner surface of the filter support portion 51. This makes it possible to efficiently flow external air into the casing while providing the ceramic separator 18 with a sufficient on-axis sectional area for passing through lead wires.

Fig. 1



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Place of search MUNICH		Date of completion of the search 11 August 2003	Examiner Strohmayer, B
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EPO FORM 1503 03.82 (P04C01)



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